

**Statewide: Bridge Inventory, Inspection, Monitoring,
Rehabilitation and Replacement Program**

FY2008 Request: \$9,000,000
Reference No: 36445

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Statewide

Contact: John MacKinnon

House District: Statewide

Contact Phone: (907)465-6973

Estimated Project Dates: 07/01/2007 - 06/30/2012

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

Inspection of all bridges that are on the public roads on a two-year cycle. The magnitude of structural deficiencies found during the inspection causes the subject bridge to be eligible for replacement or rehabilitation with federal highway bridge program funding. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

| Funding: | FY2008 | FY2009 | FY2010 | FY2011 | FY2012 | FY2013 | Total |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Fed Rcpts | \$9,000,000 | | | | | | \$9,000,000 |
| Total: | \$9,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$9,000,000 |

| | | | | |
|--|---|---------------------------------------|---|--|
| <input checked="" type="checkbox"/> State Match Required | <input type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased - new | <input type="checkbox"/> Phased - underway | <input checked="" type="checkbox"/> On-Going |
| 20% = Minimum State Match % Required | | <input type="checkbox"/> Amendment | <input type="checkbox"/> Mental Health Bill | |

Operating & Maintenance Costs:

| | <u>Amount</u> | <u>Staff</u> |
|----------------------|---------------|--------------|
| Project Development: | 0 | 0 |
| Ongoing Operating: | 0 | 0 |
| One-Time Startup: | 0 | |
| Totals: | 0 | 0 |

Additional Information / Prior Funding History:

FY2007 - \$6,800,000; FY2006 - \$8,000,000; FY2005 - \$8,000,000; FY2004 - \$6,000,000; FY2003 - \$1,300,000; FY2002 - \$3,700,000; FY2001 - \$2,200,000; FY2000 - \$3,000,000; FY1999 - \$925,000.

Project Description/Justification:

As the title describes, this program provides funds for the inventory, inspection, monitoring, rehabilitation, and replacement of bridges on public highways in accordance with federal regulations. Routine and special bridge inspections are performed under this program. State, borough, municipal and village bridges are all inspected on a routine biennial (every second year) cycle. Special inspections include both underwater and "fracture critical member" inspections which require special access equipment, methods and techniques. Both routine and special inspections attempt to identify potential defects that could lead to catastrophic bridge failure. Maintenance, rehabilitation, and replacement work programs are developed based on comments and recommendations in the bridge inspection reports.

Bridge load rating calculations are also funded by this program. These load ratings are used to identify the safe load carrying capacity of each bridge. These ratings can be used to post deficient bridges and determine the maximum overload the structure can safely carry. This latter information is used in the issuance of overload permits.

The Federal Highway Administration uses "structural inventory and assessment" (SI&A) data collected and recorded on the bridge inspection reports to distribute Highway Bridge Rehabilitation and Replacement Program (HBRRP) funds to the State. The SI&A is used to calculate a sufficiency rating which identifies structurally deficient and functionally obsolete structures. These bridges are eligible for HBRRP funding for rehabilitation or replacement. The Department is implementing a separate Bridge Management Program to identify and schedule maintenance, rehabilitation, and replacement projects.

**Statewide: Bridge Inventory, Inspection, Monitoring,
Rehabilitation and Replacement Program**

FY2008 Request: \$9,000,000
Reference No: 36445

A portion of this program is used to fund bridge rehabilitation and replacement construction projects that are not being otherwise funded.